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RAW SEQUENCE LISTING

DATE: 02/11/2002

PATENT APPLICATION: US/10/044,722

TIME: 09:55:54

Input Set : A:\PTO.VSK.txt

Output Set: N:\CRF3\02112002\J044722.raw

ENTERED

3 <110> APPLICANT: DiCICCO-BLOOM, Emanuel
 4 NICOT, Arnaud
 5 LU, Nairu
 6 SUH, Junghyup
 8 <120> TITLE OF INVENTION: Pituitary adenylate cyclase-activating polypeptide (PACAP)
 is an anti-
 9 mitogenic signal for selected neuronal precursors in vivo
 11 <130> FILE REFERENCE: 270/175
 C--> 13 <140> CURRENT APPLICATION NUMBER: US/10/044,722
 14 <141> CURRENT FILING DATE: 2002-01-11
 16 <160> NUMBER OF SEQ ID NOS: 8
 18 <170> SOFTWARE: PatentIn version 3.1
 20 <210> SEQ ID NO: 1
 21 <211> LENGTH: 114
 22 <212> TYPE: DNA
 23 <213> ORGANISM: Homo sapiens
 25 <400> SEQUENCE: 1
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 28 aaataacttgg cggccgtcct agggaagagg tataaacaac ggggttaaaaa caaa 114
 31 <210> SEQ ID NO: 2
 32 <211> LENGTH: 38
 33 <212> TYPE: PRT
 34 <213> ORGANISM: Homo sapiens
 36 <400> SEQUENCE: 2
 38 His Ser Asp Gly Ile Phe Thr Asp Ser Tyr Ser Arg Tyr Arg Lys Gln
 39 1 5 10 15
 42 Met Ala Val Lys Lys Tyr Leu Ala Ala Val Leu Gly Lys Arg Tyr Lys
 43 20 25 30
 46 Gln Arg Val Lys Asn Lys
 47 35
 50 <210> SEQ ID NO: 3
 51 <211> LENGTH: 525
 52 <212> TYPE: PRT
 53 <213> ORGANISM: Homo sapiens
 55 <400> SEQUENCE: 3
 57 Met Ala Gly Val Val His Val Ser Leu Ala Ala His Cys Gly Ala Cys
 58 1 5 10 15
 61 Pro Trp Gly Arg Gly Arg Leu Arg Lys Gly Arg Ala Ala Cys Lys Ser
 62 20 25 30
 65 Ala Ala Gln Arg His Ile Gly Ala Asp Leu Pro Leu Leu Ser Val Gly
 66 35 40 45
 69 Gly Gln Trp Cys Trp Pro Arg Ser Val Met Ala Gly Val Val His Val
 70 50 55 60
 73 Ser Leu Ala Ala Leu Leu Leu Leu Pro Met Ala Pro Ala Met His Ser

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74 65          70          75          80
77 Asp Cys Ile Phe Lys Lys Glu Gln Ala Met Cys Leu Glu Lys Ile Gln
78          85          90          95
81 Arg Ala Asn Glu Leu Met Gly Phe Asn Asp Ser Ser Pro Gly Cys Pro
82          100          105          110
85 Gly Met Trp Asp Asn Ile Thr Cys Trp Lys Pro Ala His Val Gly Glu
86          115          120          125
89 Met Val Leu Val Ser Cys Pro Glu Leu Phe Arg Ile Phe Asn Pro Asp
90          130          135          140
93 Gln Val Trp Glu Thr Glu Thr Ile Gly Glu Ser Asp Phe Gly Asp Ser
94 145          150          155          160
97 Asn Ser Leu Asp Leu Ser Asp Met Gly Val Val Ser Arg Asn Cys Thr
98          165          170          175
101 Glu Asp Gly Trp Ser Glu Pro Phe Pro His Tyr Phe Asp Ala Cys Gly
102          180          185          190
105 Phe Asp Glu Tyr Glu Ser Glu Thr Gly Asp Gln Asp Tyr Tyr Tyr Leu
106          195          200          205
109 Ser Val Lys Ala Leu Tyr Thr Val Gly Tyr Ser Thr Ser Leu Val Thr
110          210          215          220
113 Leu Thr Thr Ala Met Val Ile Leu Cys Arg Phe Arg Lys Leu His Cys
114 225          230          235          240
117 Thr Arg Asn Phe Ile His Met Asn Leu Phe Val Ser Phe Met Leu Arg
118          245          250          255
121 Ala Ile Ser Val Phe Ile Lys Asp Trp Ile Leu Tyr Ala Glu Gln Asp
122          260          265          270
125 Ser Asn His Cys Phe Ile Ser Thr Val Glu Cys Lys Ala Val Met Val
126          275          280          285
129 Phe Phe His Tyr Cys Val Val Ser Asn Tyr Phe Trp Leu Phe Ile Glu
130          290          295          300
133 Gly Leu Tyr Leu Phe Thr Leu Leu Val Glu Thr Phe Phe Pro Glu Arg
134 305          310          315          320
137 Arg Tyr Phe Tyr Trp Tyr Thr Ile Ile Gly Trp Gly Thr Pro Thr Val
138          325          330          335
141 Cys Val Thr Val Trp Ala Thr Leu Arg Leu Tyr Phe Asp Asp Thr Gly
142          340          345          350
145 Cys Trp Asp Met Asn Asp Ser Thr Ala Leu Trp Trp Val Ile Lys Gly
146          355          360          365
149 Pro Val Val Gly Ser Ile Met Val Asn Phe Val Leu Phe Ile Gly Ile
150          370          375          380
153 Ile Val Ile Leu Val Gln Lys Leu Gln Ser Pro Asp Met Gly Gly Asn
154 385          390          395          400
157 Glu Ser Ser Ile Tyr Leu Arg Leu Ala Arg Ser Thr Leu Leu Leu Ile
158          405          410          415
161 Pro Leu Phe Gly Ile His Tyr Thr Val Phe Ala Phe Ser Pro Glu Asn
162          420          425          430
165 Val Ser Lys Arg Glu Arg Leu Val Phe Glu Leu Gly Leu Gly Ser Phe
166          435          440          445
169 Gln Gly Phe Val Val Ala Val Leu Tyr Cys Phe Leu Asn Gly Glu Val
170          450          455          460

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173 Gln Ala Glu Ile Lys Arg Lys Trp Arg Ser Trp Lys Val Asn Arg Tyr
174 465          470          475          480
177 Phe Ala Val Asp Phe Lys His Arg His Pro Ser Leu Ala Ser Ser Gly
178          485          490          495
181 Val Asn Gly Gly Thr Gln Leu Ser Ile Leu Ser Lys Ser Ser Ser Gln
182          500          505          510
185 Ile Arg Met Ser Gly Leu Pro Ala Asp Asn Leu Ala Thr
186          515          520          525
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190 <211> LENGTH: 33
191 <212> TYPE: PRT
192 <213> ORGANISM: Artificial sequence
194 <220> FEATURE:
195 <223> OTHER INFORMATION: PACAP with first 5 amino acids truncated
197 <400> SEQUENCE: 4
199 Phe Thr Asp Ser Tyr Ser Arg Tyr Arg Lys Gln Met Ala Val Lys Lys
200 1          5          10          15
203 Tyr Leu Ala Ala Val Leu Gly Lys Arg Tyr Lys Gln Arg Val Lys Asn
204          20          25          30
207 Lys
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212 <211> LENGTH: 44
213 <212> TYPE: PRT
214 <213> ORGANISM: Artificial Sequence
216 <220> FEATURE:
217 <223> OTHER INFORMATION: Sand fly - truncation of SEQ.ID.NO.6 Maxadilan
219 <400> SEQUENCE: 5
221 Cys Asp Ala Thr Cys Gln Phe Arg Lys Ala Ile Asp Asp Cys Gln Lys
222 1          5          10          15
225 Gln Ala His His Ser Asn Val Pro Gly Asn Ser Val Phe Lys Glu Cys
226          20          25          30
229 Met Lys Gln Lys Lys Lys Glu Phe Lys Ala Gly Lys
230          35          40
233 <210> SEQ ID NO: 6
234 <211> LENGTH: 61
235 <212> TYPE: PRT
236 <213> ORGANISM: Sand fly
238 <400> SEQUENCE: 6
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241 1          5          10          15
244 Gln Ala His His Ser Asn Val Leu Gln Thr Ser Val Gln Thr Thr Ala
245          20          25          30
248 Thr Phe Thr Ser Met Asp Thr Ser Gln Leu Pro Gly Asn Ser Val Phe
249          35          40          45
252 Lys Glu Cys Met Lys Gln Lys Lys Lys Glu Phe Lys Ala
253          50          55          60
256 <210> SEQ ID NO: 7
257 <211> LENGTH: 27
258 <212> TYPE: PRT

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259 <213> ORGANISM: Homo sapiens
261 <400> SEQUENCE: 7
263 His Ser Asp Gly Ile Phe Thr Asp Ser Tyr Ser Arg Tyr Arg Lys Gln
264 1 5 10 15
267 Met Ala Val Lys Lys Tyr Leu Ala Ala Val Leu
268 20 25
271 <210> SEQ ID NO: 8
272 <211> LENGTH: 28
273 <212> TYPE: PRT
274 <213> ORGANISM: Homo sapiens
276 <400> SEQUENCE: 8
278 His Ser Asp Ala Val Phe Thr Asp Asn Tyr Thr Arg Leu Arg Lys Gln
279 1 5 10 15
282 Met Ala Val Lys Lys Tyr Leu Asn Ser Ile Leu Asn
283 20 25

VERIFICATION SUMMARY

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L:13 M:270 C: Current Application Number differs, Replaced Current Application Number